

L Number	Hits	Search Text	DB	Time stamp
-	165114	vehicle with part	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/24 22:25
-	663	(vehicle with part) same database	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/24 22:25
-	35828	table with make	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/24 22:25
-	420	(vehicle with part) and (table with make)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/24 22:26
-	26	((vehicle with part) and (table with make)) and ((vehicle with part) same database)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/24 22:26
-	25	((vehicle with part) and (table with make)) and ((vehicle with part) same database)) and display	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/24 22:29
-	7533	"vehicle part"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/24 22:29
-	1365	tabular with display	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/27 16:55
-	3	(tabular with display) and "vehicle part"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/24 22:29
-	51	tabular with display with part	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/27 19:38
-	8	(tabular with display with part) and (car or vehicle or automobile)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/27 16:55
-	236167	part with (car or vehicle or automobile)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/27 16:55
-	1366	tabular with display	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/27 16:55
-	21	(tabular with display) and (part with (car or vehicle or automobile))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/07/27 17:04

-	524	"part identifier"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/07/27 17:05
-	3	(vehicle and "part identifier") and tabular	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/07/27 17:05
-	68	vehicle and "part identifier"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/07/27 17:56
-	651	"body shop"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/07/27 17:56
-	251120	part with (model or make)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/07/27 17:57
-	29	"body shop" and (part with (model or make))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/07/27 17:57

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ABSTRACT:

A factorial experiment is conducted on a manufacturing process to generate a response matrix. The responses are used to calculate individual contrasts in a document as well as replicates effects. The contrast sums are also calculated and displayed in the document. The largest of the contrast sums are identified, and effects associated with those contrast sums are tested for significance using an end count method. The information from the process transformed into "significant effects" information is used to adjust process variables to improve the manufacturing process by avoiding the effect or imparting it to a measurable response of the process.

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Detail Description Paragraph - DETX (69):

[0092] Examples #1, #2, #3, and #4, have been directed toward the improvement of a manufacturing process to yield improved product characteristic. Manufacturing processes can include but are certainly not limited to, manufacturing of vehicles parts, vehicles, general electronic apparatus and devices, computers, computer components, scientific apparatus, medical apparatus, chemicals, machinery, foods, construction materials, tools, pharmaceuticals, paper goods and printed matter, paint, rubber goods, leather goods, furniture, housewares, cordage and fibers, fabrics, clothing, fancy goods, toys and sporting goods, and beverages, cosmetics and cleaning preparations, lubricants and fuels/oil, general metal goods, jewelry, firearms, musical instruments, and even the processing of natural goods. However, as will be appreciated, the embodiments of the method have broad applicability. The output responses monitored can be any form of product or article characteristic as well as a characteristic of the fabrication or manufacturing process itself. Thus the improvement sought and achieved through application of any of the various embodiments of the method can include improvements not only to the product or article, but also to the manufacturing or fabrication process. Examples of measurable responses monitored to gauge improvements to the process include production rate of the process and any efficiency in the process.

Detail Description Paragraph - DETX (74):

[0097] As the embodiments of the method can be implemented through the use of a general purpose computer system, wherein the particular documents described previously are not necessary, so can the documents be modified and embodied in various forms of display. For example, the worksheet of FIG. 3 may

be implemented in a variety of forms. A display could be generated in more tabular form with the fields of the table corresponding to similar notation, or perhaps in graphical form.